

Home Learning Grid Mercury Week Beginning 18.5.20

How have people in history changed the world?

Literacy 1

Florence Nightingale Timeline

Can you make a timeline of Florence Nightingale's life? Start from when she was a child through to her getting the order of merit. Use the videos below or the information page at the bottom of the document to help you get your information for your timeline.

Set this out as a series of bullet point first. Then when you are happy you have all the key moments in Florence's life story, turn your bullet points into a timeline. Be as creative as you wish with how your timeline will look. Could you find out the dates and include them? Or add a picture? Write each timeline entry in a different colour?

Florence Nightingale's Timeline - Teacher Version

[Meet Miss Nightingale](#)

[BBC Teach Florence Nightingale](#)

Literacy 2

Florence Nightingale Reading Comprehension

Use the two information pages on Florence Nightingale to answer the questions on the question sheet at the bottom of the document. Remember to read the questions carefully and check that your answer does answer the question.

Questions and answers at the end of the document.



Literacy 3

F, ff and ph Phoneme Family

Using the list of words you created for the phoneme family last week. Can you diacritically mark your words? You might want to draw the words in an Elkonin box first to help you really think about the sounds.

Example:

puff

Puff has three sounds.

p	u	ff	
---	---	----	--

elephant

Elephant has seven sounds.

e	l	e	ph	a	n	t
---	---	---	----	---	---	---

Try some of these trickier words

Saxophone afford
Phonics factory
Traffic fragile
Sheriff fiction
stratosphere

Did you know 'gh' can also make the 'ff' sound in words like enough, cough. Can you think of any more?

Literacy 4

Using Inverted Commas for Direct Speech

When you are writing, **inverted commas** (also called **speech marks**) go before and after any words that a character says.

For example: "I'm hungry," complained Goldilocks.

'I'm hungry' are the words that Goldilocks says out loud (also called **direct speech**), so the inverted commas go at the **start** and **end** of those words.

Can you copy out these sentences and write the missing inverted commas to show the direct speech.

- Stop that! shouted Jacob.
- I was so frightened, explained Maya to her best friend.
- Why didn't you tell me before? asked Mum.
- If only you knew the full story, Rory whispered.
- I've lost my pencil, Bessie told the teacher

Answers at the end of the document

For further practice using inverted commas follow this link to the [BBC Bitesize website](#).

Literacy 5

How To Be a Good Nurse Guide

Using what you have learned about Florence Nightingale or by speaking to someone you know who a nurse or part of their job involves caring for others. Can you write a poster or information booklet on how to be a good nurse?

You might want to include

- What to wear
- Cleaning
- Looking after someone
- Bandage or wound care
- How to talk to a patient
- Food to give a patient



Numeracy 1

Problem Solving

What's In A Name?

Jim and Jan were having a chat about their names.

Jim said his name began with J and Jan said hers did too.

Jim said his name had three letters and Jan said hers did too.

Jim said his name had one vowel and Jan said hers did too.

Jim said his was 1 9 4

Jan said hers was 1 1 5

Can you see why?

1	2	3	4	5	6	7	8	9
A	B	C	D	E	F	G	H	I
J	K	L	M	N	O	P	Q	R
S	T	U	V	W	X	Y	Z	

What would your name be?

Can you match these names to their codes?

John	133915
Jane	11362
Jeffrey	11413
Julian	1155
Jacob	15559659
Jamal	1685
Jennifer	1566957

Answers at the end of the document

Numeracy 2

Place Value Subtraction

Subtracting 1, 10 or 100 is the opposite to the addition we did last week. Watch [this video](#) to remind you how we do this.

Remember you can still use a place value grid to help you.

H	T	O

Try these subtraction questions

- 584-10=
- 362-100=
- 142-1=
- 958-100=
- 397-10=
- 421-1=
- 658-100=
- 124-10=
- 486-1=
- 658-100=

Can you work out what these answers will be?

- 506-10=
- 950-1=
- 1025-100=

(Hint: you will need to exchange)

Answers can be found at the end of the document

Numeracy 3

Dividing By 3

Start by revising your division facts up to $36 \div 3$. Remember to use your times table knowledge to help you. $4 \times 3 = 12$ so $12 \div 3 = 4$. Can you get all the answers right? Keep practising until you do.

Dividing a 2-digit number by 3

Watch [this video](#) (Summer term > week 4 > lesson 3) **up to 6 minutes 35 (or where it says to do the worksheet which for you is these questions)** to learn how to divide a 2-digit number by a 1-digit number.

Using what you have learned can you divide these 2-digit numbers by 3 (no exchange)

- $63 \div 3 =$
- $96 \div 3 =$
- $39 \div 3 =$
- $93 \div 3 =$
- $60 \div 3 =$

Try these next 5 including exchange (don't worry if you find this tricky, this is new learning for you. Try your best and watch the video again if you need to, remember draw the picture with your tens and ones it will make it easier.)

- $48 \div 3 =$
- $57 \div 3 =$
- $72 \div 3 =$
- $81 \div 3 =$
- $42 \div 3 =$

Answers at the end of the document

Numeracy 4

Countdown

Play this game either on your own or with another person. Write down a 3-digit 'total'. For example, 583.

Next pick any 4 different numbers between 1-9. For example, 2, 3, 6, 9.

Finally pick 3 different multiples of 10 between 10-100. For example, 10, 50, 80.

Now using those numbers: how close can you get to your total using addition, subtraction, multiplication and division.

In the example the total is 583. I can use any of the numbers 2, 3, 6, 9, 10, 50, 80.

$$50 \times 10 = 500$$

$$500 + 80 = 580$$

$$580 + 3 = 583$$

Make it challenging by only giving yourself 1 minute to see how close you can get to the answer.



Maths

Graph

Florence Nightingale was a very talented mathematician and she used maths to prove that her patients recovered from their illness and injuries quicker in a clean hospital. This helped lead to the improved hospitals we have today.

Make your own graph by using [this video](#) to count cars passing and group your results. This is called **collecting** and **representing data**.

Can you think of anything else you would like to study and gather data on?

H&WB 1

Thank you, NHS

Florence Nightingale set up a nursing school which is now called the Florence Nightingale School of Nursing and Midwifery, and is part of King's College London. Think about what kind of a person a nurse has to be:

- What skills do they have?
- What is their character like?
- What must they be able to do?

Record yourself giving a thank you message to NHS staff appreciating all the things they are doing for us every day.

Listen to why some people chose to become nurses and the tasks that they do on these YouTube videos.

[Why I became a nurse](#)

[I am a nurse](#)



H&WB 2

Percy Perseverance

Florence Nightingale was determined to make a difference and help people but things weren't always easy for her.

To achieve most things, we struggle and find it difficult at times.

When we learnt to walk and started speaking our first words, it was tough, we kept falling over and saying things wrong, but we forget how difficult it was and how it is important to make mistakes.

What do you find hard and difficult to learn now? Have a laugh when you make mistakes and keep on trying. Have a chat about this video and things you and people in your family have found difficult.

[Sesame street videos- 'Don't give up'](#)

['The power of yet'](#)

PE 1

Horizontal Challenge

Test your flexibility, coordination and balance. Can you solve problems and plan a route? You can't climb a mountain but you can cross your garden or floor.

1. Find as many socks and gloves in your house as possible or use paper to cut out feet and hands.
2. Lay them out in a pattern across your garden or floor. Make the pattern long and only 3-4 feet or hands wide.
3. Start off stepping on just the feet, can you stay balanced as you travel from one side to the other? Land accurately on the socks and gloves.
4. Use your feet and hands to travel – feet on the socks and hands on the gloves. Stay balanced with 4 points of contact, just move one body part at once and keep 3 anchor points.
5. Remove some socks and gloves so you have to stretch further.
6. Can you time yourself to move accurately along or put some obstacles in the way such as pillows.

PE 2

Fitness Bingo

All nurses would encourage us to keep fit and healthy. Have a go at this fitness bingo to keep up your fitness levels.

Fitness Bingo Fun

B	I	N	G	O
Butt Kickers	Lunges	Calf Raises	Squats	Jumping Rope
Reverse Plank	Wall Sit	Tuck Jumps	Run on Spot	Plank
Push Ups	Shadow Boxing	Free!	V Sit	Supermans
Push Up & Rotation	Side Hops	Tricep Dips	Scissor Kicks	Burpees

- 1) Write all the exercises down and pick them out a hat or type them into [a random generator](#)
 - 2) First try to get one line
 - 3) Then 2 lines
 - 4) Then a full house (every single one in the box)
- You can choose how long for/ how many of each you complete.
 - Compete against someone else to win you line/ full house.
 - Create your own activity bingo card game.

Outdoor Challenge

Time to Clean



Cleanliness is a very important element of working as a nurse.

It is meant to be warm this week so grab a bucket/basin and soapy water with a sponge or cloth. Or if you have a hose ask if you can use that and head on outdoors.

Now you are going to need something to clean. What about finding some plant pots, or plastic toys, your bike or scooter? Can you clean your objects without getting yourself soaking?

If your skills are good enough and an adult is willing, why don't you ask to clean a car or the front door or windows?



<p>Science</p> <p><u>Germs, Germs, Germs!</u></p> <p>Florence Nightingale changed nursing and healthcare forever by teaching others about how to stop germs from spreading. Have a go at this experiment to show how we spread germs with our hands.</p> <p>You will need:</p> <ul style="list-style-type: none"> • 3 sandwich bags or similar • 3 slices of bread • Pen • Tongs <p>Steps:</p> <ol style="list-style-type: none"> 1) Label the three bags as control, clean hands and dirty hands. 2) Use the tongs to take a piece of bread out of the loaf (it is important you do not touch it) place it in the control bag. 3) Take another piece of bread and rub your hands all over it on both sides, put it into the dirty hands bag. 4) Go wash and dry your hands properly and then take a final piece of bread and do the exact same thing you did with your dirty hands. 5) Keep the bread somewhere visible and check it every day for a week or longer. What do you notice? 	<p>Topic 1</p> <p><u>What Is My Hospital Job?</u></p> <p>Nurses are not the only people who work in hospitals caring for people. Can you find out how these other people in the hospital care for the patients, what does their job involve?</p> <ol style="list-style-type: none"> 1. Anaesthetists 2. Biomedical scientists 3. Cardiologists 4. Dietitians 5. Midwives 6. Neurosurgeons 7. Occupational therapists 8. Paediatricians 9. Pharmacists 10. Radiographers 	<p>Topic 2</p> <p><u>Research</u></p> <p>Research another person in history who made an impact and changed the way we live today.</p> <p>You could create a fact file, a comic strip of their life, a recorded interview, a poster or an information report to share your findings with others. Try and find out a little about the time and place they lived in then: What problem was there that made them see the need for change? What did they do? How did their actions change the world?</p> <p>BBC history on YouTube have some great resources for researching significant people in history</p> <p>Some ideas of interesting people to find out about: Grace Darling, Martin Luther King, Marie Curie, Emmeline Pankhurst, Greta Thunberg, Bill Gates</p>	<p>Expressive Arts 1</p> <p><u>Horrible Histories Song</u></p> <p>Watch this Horrible Histories Video</p> <p>Do you like the song? Think about which parts you like and why. If not that's ok, think about why you don't like it? Is it the instruments? The speed of the song?</p> <p>Can you remember any of the song after one watch? If you can it is likely the 'catchy' parts that stick in your head.</p> <p>Think of songs you really like with a 'catchy' chorus or tune. Can you change the words to help someone learn something about Florence Nightingale? Or why not learn the horrible histories one, then perform it.</p>	<p>Expressive Arts 2</p> <p><u>Whole School Challenge</u></p> <p>Bandage someone in your family up and make sure they are safe and securely resting.</p> <p>Look after them and all their needs for a while.</p> <p>-Give them a drink</p> <p>-Feed them</p> <p>- Wipe their face with a damp facecloth</p> <p>Make sure to take a picture of your patient when they are beginning to feel better and share it on your class Facebook page if you can, maybe your patient might even give you a review!</p> 
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Useful Websites

<p>Numeracy/Maths</p> <p>Dividing a 2-digit by a 1-digit number video Summer Term Week 4 – Lesson 3 https://whiterosemaths.com/homelearning/year-3/</p> <p>Subtracting 1, 10 or 100 place value video https://www.khanacademy.org/math/early-math/cc-early-math-add-sub-1000/cc-early-math-sub-ones-tens-hundreds/v/subtracting-hundreds-and-tens</p> <p>Statistics (car counting) video https://www.youtube.com/watch?v=sr-Kqia0RJc</p>	<p>Literacy</p> <p>Florence Nightingale Story https://www.youtube.com/watch?v=Frow559jWSE</p> <p>Take a tour of the Florence Nightingale Museum https://www.youtube.com/watch?time_continue=46&v=5xtXrm6gPuU&feature=emb_logo</p> <p>BBC Bitesize Website Using Inverted Commas lesson https://www.bbc.co.uk/bitesize/articles/z7s6t39</p>
<p>Health and Wellbeing</p> <p>Why I became a nurse https://www.youtube.com/watch?v=4H_m1P_nAmA</p> <p>I am a nurse https://www.youtube.com/watch?v=4peIFulusSk</p> <p>Sesame street videos- 'Don't give up' https://www.youtube.com/watch?v=pWp6kkz-pnQ</p> <p>'The power of yet' https://www.youtube.com/watch?v=XLeUvZvuvAs</p> <p>PE</p> <p>Random Name Generator Link https://wheelofnames.com/</p>	<p>Topic</p> <p>Science Experiment https://www.youtube.com/watch?v=AlOoDe7_RJg</p> <p>Horrible Histories Florence Nightingale Song https://www.youtube.com/watch?v=kqeqScEQr4s</p> <p>meet Miss Nightingale https://www.youtube.com/watch?v=Mo4hNJM7ngc&feature=youtu.be</p>

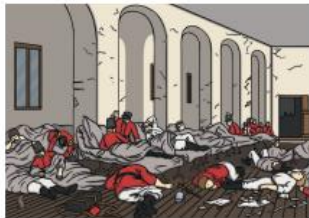
Florence Nightingale

Florence was born on 12th May 1820, in Florence, Italy. Her family moved to England when she was a baby.

As a young woman, Florence believed that God had told her to spend her life looking after people, so she became a nurse.

A war started and Florence went to look after the soldiers who had been hurt. Other nurses went with her.

Hospitals weren't very nice places in those days.



- Medicine was in short supply.
- The food was of poor quality.
- There weren't enough beds for the patients.

There weren't any toilets so the hospital was very dirty and smelly. Rats were common and many men died due to the poor conditions. Florence wanted to make things better so the other nurses helped her.



What Did They Do?

- The nurses cleaned the hospital.
- They washed their hands regularly to stop the spread of germs and infection.
- The patients were served better food.

These changes saved many lives.

Florence Nightingale

Florence was respected by the soldiers. They called her 'The Lady with the Lamp' because she walked around the wards at night with her lantern.

Florence spent the rest of her life trying to make hospitals better places for everybody.



She was awarded the Royal Red Cross by Queen Victoria in 1883.

Questions

1. What year was Florence born in?

<input type="checkbox"/>	1802	<input type="checkbox"/>	1822
<input type="checkbox"/>	1820	<input type="checkbox"/>	1826

2. Complete the sentence.

Her family moved to _____ when she was a baby.

3. What were hospitals like before Florence started to change things?

4. Name two things that Florence and the nurses did to make things better at the hospital?

1. _____

2. _____

5. Why was Florence called 'The Lady with the Lamp'?

6. Describe Florence in 2 words and give reasons for your answers.

Answers To This Week's Grids Questions

Florence Nightingale Reading Task

- 1820
- England
- Hospitals weren't very nice. Medicine was in short supply and food was poor quality. There weren't enough beds and no toilets so it was dirty and smelly.
- Any two from: The nurses cleaned the hospitals; they washed their hands to stop the spread of germs; they served better food to the patients.
- Florence was called the lady with the lamp because she walked around the wards at night with a lantern.
- Various answers and reasoning. Possible adjectives could include caring, helpful, kind, hardworking, religious, brave, respected.

Using Inverted Commas Answers

- "Stop that!" shouted Jacob.
- "I was so frightened," explained Maya to her best friend.
- "Why didn't you tell me before?" asked Mum.
- "If only you knew the full story," Rory whispered.
- "I've lost my pencil," Bessie told the teacher

Problem Solving What's In A Name?

<https://nrich.maths.org/7952/solution>

John	133915
Jane	11362
Jeffrey	11413
Julian	1155
Jacob	15559659
Jamal	1685
Jennifer	1566957

Subtraction 1, 10 and 100 Answers

- $584 - 10 = 574$
- $362 - 100 = 262$
- $142 - 1 = 141$
- $958 - 100 = 858$
- $397 - 10 = 387$
- $421 - 1 = 420$
- $658 - 100 = 558$
- $124 - 10 = 114$
- $486 - 1 = 485$
- $658 - 100 = 558$

11. $506 - 10 = 496$

As you have 0 tens you needed to exchange 1 hundred for 10 tens.

H	T	O
4	10	6

Now you are able to subtract 1 ten.

12. $950 - 1 = 949$

As you have 0 ones you needed to exchange 1 ten for 10 ones.

H	T	O
9	4	10

Now you are able to subtract 1 one.

13. $1025 - 100 = 925$

As you have 0 hundreds you needed to exchange 1 thousand for 10 hundreds.

TH	H	T	O
0	10	2	5

Now you are able to subtract 1 hundred.

Dividing by 3

- $63 \div 3 = 21$
- $96 \div 3 = 32$
- $39 \div 3 = 13$
- $93 \div 3 = 31$
- $60 \div 3 = 20$
- $48 \div 3 = 16$
- $57 \div 3 = 19$
- $72 \div 3 = 24$
- $81 \div 3 = 27$
- $42 \div 3 = 14$

Diacritical Marking

